

**WHAT IS CLAIMED IS:**

- 1 . A control method for setting up operation time of wireless connection device, by installing a wireless connection device and a driver program to a computer device, wherein said driver program having a built-in detection control software for setting a detection operation time of said wireless connection device, such that when the computer device being booted, the computer device proceeds with the processing comprising the steps of:
  - (a) determining if the internal clock of said computer device reaching the start of the detection operation time according to a predetermined value of the detection operation time by using said detection control software;
  - (b) if the internal clock of said computer device reaching the start of the predetermined detection operation time, then enabling the driver program to activate said wireless connection device to detect within the limit distance of searching range and search for any wireless electronic device for online connection;
  - (c) the detection control software determining if the internal clock of said computer device reaching the end of the detection operation time according to the predetermined detection operation time;
  - (d) if the internal clock of said computer device reaching the end of the predetermined detection operation time, then the driver program of said detection control software shutting down said wireless connection device.
- 2 . The control method for setting up operation time of wireless connection device of claim 1, wherein said detection operation time comprises an ON time and an OFF time, such that the detection control software controls the ON and OFF of said wireless connection device by the steps of:
  - (a) determining if the internal clock of said computer device reaching the ON time;
  - (b) if the internal clock of said computer device reaching the ON time, then the driver program activating said wireless connection device, such that the wireless connection device starting its detection within the limit distance of searching

- range and searching for any wireless electronic device for online connection;
- 5           (c) determining if said wireless connection device being connectible to any wireless electronic device;
- (d) if said wireless connection device being not connectible to any wireless
- 10           electronic device, then determining if the internal clock of said computer device reaching the OFF time;
- (e) if the internal clock of said computer device reaching the OFF time, then said driver program shutting down said wireless connection device.
- 15           3. The control method for setting up operation time of wireless connection device of claim 2, wherein if said internal clock of the computer device has not reached the ON time, then said detection control software will repeatedly determine whether the internal clock of said computer device has reached the ON time until the internal clock of said computer device has reached the ON time, and then continue to proceed the next step of the procedure.
- 20           4. The control method for setting up operation time of wireless connection device of claim 2, wherein if said wireless connection device has detected a connectible wireless electronic device, then said wireless connection device will directly connect with said wireless electronic device.
5. The control method for setting up operation time of wireless connection device of claim 2, wherein if said internal clock of the computer device has not reached the END time, said detection control software will repeatedly determine whether said internal clock of the computer device has reached the END time until said internal clock of the computer device has reached the END time, and then continue to proceed the next step of the procedure.
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wherein the operation time from activating said wireless connection device to shutting down said wireless connection each time equals to said detection operation time, so that when said computer device boots, said detection control software activates and shuts down said wireless connection device with the steps of:

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(a) the driver program activates said wireless connection device, such that said wireless connection device starting the detection within a limited searching range and counting the time;

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(b) determining whether or not said wireless connection device detecting a connectible wireless electronic device,

(c) if said wireless connection device not detecting any connectible wireless electronic device, then determining whether or not the ON/OFF time being ended;

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(c) if the ON/OFF time being ended, then said driver program shutting down said wireless connection device.

7. The control method for setting up operation time of wireless connection device of claim 6, wherein said if said wireless connection device has detected a connectible wireless electronic device, then said wireless connection device directly connects with said wireless electronic device.

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8. The control method for setting up operation time of wireless connection device of claim 6, wherein if said operation time has not ended, said detection control software will repeatedly determine such until said operation time has ended, and then said driver program will shut down said wireless connection device.

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9. The control method for setting up operation time of wireless connection device of claim 1, wherein said wireless connection device is a wireless module complying with an infrared transmission technology.

10. The control method for setting up operation time of wireless connection device of claim 1, wherein said wireless connection device is a wireless module complying with a Bluetooth transmission technology.